

Abstract

Personal air supply devices integrated with chairs are adapted for use in conjunction with building or vehicle ventilation systems. The personal air supply devices include ducts, a tube and a nozzle arranged to direct a portion of the air from the building or vehicle ventilation system at the facial zone of a person sitting in the chair. The personal air supply devices include airflow regulating devices for regulating the flow of air through the nozzle. The tubes and nozzle are configured to release air from the ventilation system very close to the nose and mouth of a person in the chair to prevent mixing with ambient air and maximize the cooling and refreshing effect of the conditioned air. The building or vehicle ventilation system may be operated at lower ventilation rates without causing discomfort to persons provided with personal air supply devices.

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